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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/721,404 | 11/25/2003 | Takuya Tamatani | 14539-004012 | 1646 |

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| EXAMINER | |
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| OUSPENSKI, ILIA I | |

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

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| 10721404 | 11/25/2003 | TAMATANI ET AL. | 14539-004012 |

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| ILIA OUSPENSKI |

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| 1644 | 20070827 |

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**Commissioner for Patents**

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

Authorization for this Examiner's Amendment was given by Jack Brennan in a telephone interview with the Examiner on 08/27/2007.

In the Specification:

The text on page 84, lines 28 - 32, has been amended as set forth in the attached document.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jessica H. Roark whose telephone number is (703) 605-1209. The examiner can normally be reached on Monday to Friday, 8:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Chan can be reached on (703) 308-3973. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ILIA OUSPENSKI
Patent Examiner
Art Unit 1644
August 27, 2007

Ilia Ouspenski

neutralization. "JTT-1 antigen" obtained was stored at -80°C.

(3) Determination of N terminal amino acid sequence

Subb1)

After the purified "JTT-1 antigen" was subjected to SDS-PAGE, the N-terminal amino acid sequence was determined by the usual method. The result revealed that "JTT-1 antigen" contained an amino acid sequence Glu-Leu-Asn-Asp-Leu-Ala-Asn-His-Arg.

(4) Adhesion experiment

A five- to ten-week-old Wistar rat (150 to 250 g) was killed by anesthesia with diethyl ether. The thymus was taken out of its chest by celiotomy and homogenized to prepare thymocyte suspension. 10 μM 2',7'-bis(carboxyethyl)carboxyfluorescein tetraacetoxy-methyl ester (BCECF-AM; Molecular Probes) was added to the suspension, and the mixture was incubated at 37°C for 30 minutes to fluorescently label the thymocytes. The cells were washed with PBS and suspended in RPMI1640 medium containing 10% FCS to adjust 2 x $10^7$ cells/ml.

The purified "JTT-1 antigen" obtained in (2) was coated on a 96-well ELISA plate at the concentration of 10 μl/well overnight. After the plate was washed with PBS, 200 μl/well of PBS containing 3% BSA was added to the plate, and blocking was performed for 2 hours. After the plate was washed with PBS, (1) only fluorescence-labeled thymocytes (2 x $10^7$ cells/ml, 0.1 ml); (2) fluorescence-labeled thymocytes (same concentration) and "JTT-1 antibody" Fab fragments prepared by the usual method (5 μg/ml); or (3) fluorescence-labeled thymocytes (same concentration), the "JTT-1 antibody" Fab fragments (same concentration), and "JTT-2 antibody" (10 μg/ml), were added to each well, and cultivated at 37°C for an hour. In order to remove unbound cells, each well was washed once with RPMI1640 medium